

SEQUENCE LISTING

<110> Neri, Dario
 Melkko, Samu

<120> Encoded self-Assembling Chemical libraries (ESACHEL)

<130> 080058-005920US

<140> 10/507,140
 <141> 2005-09-19

<150> WO PCT/EP02/04153
 <151> 2002-04-15

<150> US 60/362,599
 <151> 2002-03-08

<160> 27

<170> PatentIn version 3.5

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 cagggt 66

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cca 63

<210> 4
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<223> Synthetic Primer L19VL_Hind_ba

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ggtccttg 69

<210> 5
<211> 60
<212> DNA
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<220>
<223> Synthetic Primer HH10VH_Eco_fo

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<210> 6
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<223> Synthetic Primer HH10VH_Hind_ba

<400> 6
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cagagt 66

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cca 63

<210> 8
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<210> 9
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 <223> Synthetic Primer L19_5SH with 5'-thiol

<220>
 <221> modified_base
 <222> (1)..(1)
 <223> n is g modified by a thiol group

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 ngagcttctg aattctgtgt gctgcataat cgacacgaat tccgcagc 48

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 <212> DNA
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 <223> Synthetic Primer L19_3SH with 3'-thiol

<220>
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 <222> (48)..(48)
 <223> n is c modified by a thiol group

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<210> 11
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 <212> DNA
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<220>

<223> Synthetic Primer HyHel10_5SH with 5'-thiol

<220>

<221> modified_base

<222> (1)..(1)

<223> n is g modified by a thiol group

<400> 11

ngagcttctg aattctgtgt gctgcagtgg cgacacgaat tccgcagc

48

<210> 12

<211> 48

<212> DNA

<213> Artificial Sequence

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<223> Synthetic Primer HyHel10_3SH with 3'-thiol

<220>

<221> modified_base

<222> (48)..(48)

<223> n is c modified by a thiol group

<400> 12

tccgcagggg aattcgtcat agggcagcac acagaattca gaagctcn

48

<210> 13

<211> 48

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer GST_5SH with 5'-thiol

<220>

<221> modified_base

<222> (1)..(1)

<223> n is g modified by a thiol group

<400> 13

ngagcttctg aattctgtgt gctgctgagg cgacacgaat tccgcagc

48

<210> 14

<211> 48

<212> DNA

<213> Artificial Sequence

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<223> Synthetic Primer GST_3SH with 3'-thiol

<220>

<221> modified_base

<222> (48)..(48)

<223> n is g modified by a thiol group

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<210> 15
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<400> 15
 ggagcttctg aattctgtgt gctg 24

<210> 16
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<220>
 <223> Synthetic Primer 1APCRba

<400> 16
 gctgcggaat tcgtgtcg 18

<210> 17
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 <213> Artificial Sequence

<220>
 <223> Synthetic Primer 1B_PCRba

<400> 17
 tcgcgagggg aattcgtc 18

<210> 18
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<220>
 <223> Synthetic Primer with 5' sequence acting as a code for
 sub-library A

<220>
 <221> misc_feature
 <222> (1)..(5)
 <223> n is a, c, g, or t

<400> 18
 nnnnncagca cacagaattc agaagctcc 29

<210> 19
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Primer with 3' sequence acting as a code for
sub-library B

<220>
<221> misc_feature
<222> (25)..(29)
<223> n is a, c, g, or t

<400> 19
ggagcttctg aattctgtgt gctgnnnnn 29

<210> 20
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Primer typeB_oligo

<400> 20
gcataccgga attcccagca taatgatcgc tatcgctgc 39

<210> 21
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic 5' end of Primer typeA_oligo with spacer element

<220>
<221> modified_base
<222> (43)..(43)
<223> n is c modified through a 3' phosphodiester bond by 6 abasic
nucleotides linked through a phosphodiester bond to the 5' end of
SEQ ID NO:30

<400> 21
cgtcagctcg aattctccat atatgcagcg atagcgatn 39

<210> 22
<211> 18
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic Primer CodeABfo

<400> 22

gcataccgga attcccag

18

<210> 23

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer CodeABba

<400> 23

cgtcagctcg aattctcc

18

<210> 24

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer linked to primer by a biotinylated base analog
with 5' sequence specific for a chemical moiety

<220>

<221> misc_feature

<222> (1)..(1)

<223> n = biotinylated base analog modified by an oligonucleotide
of undefined length

<400> 24

ncagcacaca gaattcagaa gctcc

25

<210> 25

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence at the C-terminus of products subcloned into
pQE12

<400> 25

Gly Gly Cys His His His His His His

1

5

<210> 26

<211> 18

<212> DNA

<213> Artificial Sequence

<220>
 <223> Synthetic 3' end of Primer typeA_oligo with spacer element

 <220>
 <221> modified_base
 <222> (1)..(1)
 <223> n is c modified through a 5' phosphodiester bond by 6 abasic
 nucleotides linked through a phosphodiester bond to the 3' end of
 SEQ ID NO:21

 <400> 26
 ntgggaattc cggtatgc 18

 <210> 27
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Primer linked to primer by a biotinylated base analog
 with 5' sequence specific for a chemical moiety

 <400> 27
 cagcacacag aattcagaag ctcc 24